List A Noxious Weeds

African rue

Peganum harmala

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Herbicide	Rate	Application Timing
Imazapyr* (Arsenal)	0.5-1 qt./acre + 1%	Apply when plants are actively growing.
7 (A)	v/v methylated seed	
	oil	

Note: *Imazapyr products are nonselective and will kill any vegetation contacted. Imazapyr is NOT recommended for use in ornamental or turf settings.

Bohemian/Giant/Japanese knotweed

Polygonum x bohemicum, Polygonum sachalinense, Polygonum cuspidatum



Herbicide	Rate	Application Timing
Glyphosate (Rodeo*,	2.5-3% solution (3.2-	Apply evenly over leaf surface "to wet," not so dripping
AquaMaster*,	3.8 oz./gal water) +	occurs. Treat when plants are actively growing, pre-bud
AquaNeat* are all safe	0.25% v/v non-ionic	to flowering stage: June to July (at least half of foliage
for aquatic use)	surfactant	should still be green).**
Glyphosate (Rodeo*,	5-6 ml undiluted	Use a calibrated injection gun to inject just below the
AquaMaster*,	herbicide per	third node from July to September. (gun can be bought
AquaNeat* are all safe	individual stem for	online) (total treatment must not exceed 8 quarts 2
for aquatic use)	injections	gallons per acre or approximately 1,000-1,500 stems per
		acre for suggested rates).
Triclopyr (Garlon 3A for	1% solution (1.3	Apply evenly over leaf surface "to wet," not so dripping
aquatic sites) OR	oz./gal water) +	occurs. Treat when plants are actively growing, pre-bud
Imazapyr*** (Habitat*	0.25% v/v non-ionic	to flowering stage: June to July.** Injection method is
or Arsenal* are all safe	surfactant	not allowed for these herbicides.
for aquatic use)		

Note: *These herbicide products are nonselective and will kill any vegetation contacted. **If leaves are above one's head, plants can be bent down to allow better foliar spray coverage. ***Imazapyr is NOT recommended for use in ornamental or turf settings.

Camelthorn

Alhagi maurorum



Herbicide	Rate	Application Timing
Metsulfuron (Escort XP)	1 oz./acre + 0.25%	Apply during bolting to early flower growth stages.
	v/v non-ionic	
	surfactant	

Common crupina

Crupina vulgaris

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Herbicide	Rate	Application Timing
Picloram	1 pint/acre + 0.25%	Apply at rosette growth stage or when adequate soil
(Tordon/Picloram 22K -	v/v non-ionic	moisture and plants are actively growing. (Early spring
Restricted use pesticide)	surfactant	to late summer depending on conditions) DO NOT use
		near trees, desirable shrubs, water, or high water table.
Metsulfuron +	2 oz. product/acre +	Apply at rosette to bolting growth stages. (Early spring
Chlorsulfuron (Cimarron	0.25% v/v non-ionic	to early summer)
X-tra)	surfactant	
Metsulfuron (Escort XP)	1 oz. product/acre +	Apply at rosette to bolting growth stages. (Early spring
	0.25% v/v non-ionic	to early summer)
	surfactant	

Cypress spurge

Euphorbia cyparissias



	Herbicide	Rate	Application Timing
1	Quinclorac (Paramount -	16 oz. product/acre	Apply at the flowering stage. (Spring time)
	non-crop)	+ 2 pint/acre	
		methylated seed oil	
	2,4-D + Dicamba (Range	2 qt. 2,4-D/acre (2.0	Apply at the flowering stage. (Spring time)
	star)	lb/active ingredient)	
		+ 1 qt. dicamba/acre	
		(1 lb active	
		ingredient)	

Dyer's woad

Isatis tinctoria

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Herbicide	Rate	Application Timing
	0.5-1 oz. product/acre + 0.25% v/v non-ionic surfactant	Apply at the rosette to bloom growth stages. (Late winter to early spring)
· '	•	Apply at the rosette to early bolt growth stage. (Late winter to early spring)

Note: *This herbicide has residual soil activity that will affect all broadleaf seedlings germinating after application has occurred.

Elongated mustard

Brassica elongata



	Herbicide	Rate	Application Timing
1	Metsulfuron (Escort XP)	0.5-1 oz.	Apply at the rosette to bloom growth stages. (Spring to
1		product/acre +	mid-summer)
		0.25% v/v non-ionic	
		surfactant	

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Chlorsulfuron* (Telar	1 oz. product/acre +	Apply at the rosette to bolting growth stages when
XP)	0.25% v/v non-ionic	plants are actively growing. (Spring to mid-summer)
	surfactant	
Note: *This berbiside has residual seil activity that will affect all broadlest soudlings garminating often		

Note: *This herbicide has residual soil activity that will affect all broadleaf seedlings germinating after application has occurred.

Giant reed

Arundo donax

Herbicide	Rate	Application Timing
Glyphosate* (Rodeo,	2-4 qt./acre + 0.25%	Apply foliar application when plants are actively
AquaMaster, AquaNeat:	v/v non-ionic	growing (late summer to fall). May require several
all safe for aquatic use)	surfactant OR 2% v/v	years of treatment.
	product + 0.25% v/v	
Imazapyr** (Arsenal*,	1-2 qt./acre	Apply to foliage until wet (but not dripping) while plants
Stalker*, Habitat*)		are actively growing (late summer to fall).

Note: *These herbicide products are nonselective and will kill any vegetation contacted. **Imazapyr is NOT recommended for use in ornamental or turf settings.

Giant salvinia

Salvinia molesta

ATURN	Herbicide	Rate	Application Timing
	Diquat (Reward -	Refer to label.	Refer to label.
FOR	general use)		
	Glyphosate (Rodeo,	Refer to label.	Refer to label.
	Aqua Master, etc		
	general use)		
	Fluridone (Sonar -	Refer to label.	Refer to label.
	general use)		

Hairy willow-herb

selective and will kill any vegetation contacted.

Epilobium hirsutum

Epilobiai	II IIII Sacaiii		
MINISTER STATE	Herbicide	Rate	Application Timing
	lmazapyr* (Habitat**,	0.5-1% v/v (0.6-1.3	Apply evenly over leaf surface "to wet," not dripping.
MANUAL SE	Arsenal** for aquatic	oz. imazapyr/gal	Treat in the pre-bud to flowering stage. (June to August)
	use)	water) + 0.25% v/v	
		non-ionic surfactant	
	Glyphosate (Rodeo**,	Up to 5% v/v (Up to	Apply evenly over leaf surface "to wet," not dripping.
	AquaMaster**,	6.4 oz.	Treat in the pre-bud to flowering stage. (June to August;
	AquaNeat** for aquatic	glyphosate/gal	at least half of foliage should still be green)
	Note: * Imazapyr is NOT	for use in ornamental	or turf settings. **These herbicide products are non-

Hydrilla

Hydrilla verticillata



	Herbicide	Rate	Application Timing
R	Fluridone (Sonar -	Refer to label.	Refer to label.
	genearal use)		
	Endothall + Diquat	Refer to label.	Refer to label.
	(Aquathal K + Reward -		
	general use)		
	Endothall (Aquathal K -	Refer to label.	Refer to label.
	general use)		

Meadow knapweed

Centaurea nigrescens



Herbicide	Rate	Application Timing
Aminopyralid (Milestone)	7 oz. product/acre + 0.25% v/v non-ionic surfactant	Apply in spring to early summer during bolting to bud growth stages or in fall. Add 1 qt./acre 2,4-D when plants are treated in the bolt to flowering phase.
Aminocyclopyrachlor + chlorsulfuron (Perspective)	4.75-8 oz. product/acre + 0.25% v/v non-ionic surfactant	Apply from the seedling to the rosette growth stages. IMPORTANT: Applications greater than 5.5 oz. product/acre exceeds the threshold for selectivity. DO NOT treat in the root zone of desirable trees and shrubs. Not permitted for use in the San Luis Valley.
Picloram (Tordon/Picloram 22K - Restricted use pesticide)	1 qt. product/acre + 0.25% v/v non-ionic surfactant	Apply in spring to early summer during bolting to bud growth stages or in fall. Add 1 qt./acre 2,4-D when plants are treated in the bolt to flowering phase. DO NOT use near trees, desirable shrubs, water, or high water table.

Mediterranean sage

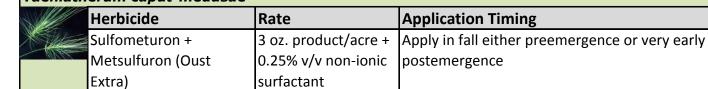
Salvia aethiopis



1	Herbicide	Rate	Application Timing
5	Aminopyralid	7 oz. product/acre +	Apply in spring during rosette to bolting (early
1917	(Milestone)	1% v/v methylated	flowering) growth stages.
		seed oil	
	Metsulfuron (Escort or	1 oz. product/acre	Apply in spring during rosette to bolting (early
	Cimarron) + 2,4-D	(metsulfuron) + 1	flowering) growth stages.
		qt./acre (2,4-D) +	
		0.25% v/v non-ionic	
		surfactant	
	Picloram	1 qt. product/acre	Apply in spring during rosette to bolting (early
	(Tordon/Picloram 22K -	(Tordon) + 1 oz.	flowering) growth stages. DO NOT use near trees,
	Restricted use pesticide)	product/ acre (Telar)	desirable shrubs, water, or high water table.
	+ Chlorsulfuron (Telar)	+ 0.25% v/v non-	
		ionic surfactant	

Medusahead

Taeniatherum caput-medusae



Myrtle spurge

Euphorbia myrsinites

Herbicide	Rate	Application Timing
2,4-D ester	2 qt./acre + 1% v/v	Use a 2,4-D ester formulation that has a 4.0 lbs. active
	methylated seed oil	ingredient/acre. Apply during spring or during fall
		regrowth.
Dicamba + 2,4-D	1 pint/acre dicamba	Use a 2,4-D formulation that has a 4 lbs. active
	+ 2-3 pints/acre 2,4-	ingredient/gallon. Apply during spring or during fall
	D (amine or ester)	regrowth.
Picloram	20 oz./acre + 2-3	Apply at flowering growth stage during spring or to fall
(Tordon/Picloram 22K -	pints/acre 2,4-D	regrowth. DO NOT use near trees, desirable shrubs,
Restricted use pesticide)	(amine or ester)	water, or high water table.
+ 2,4-D		

Orange hawkweed

Hieracium aurantiacum



	Herbicide	Rate	Application Timing	
1	Aminopyralid	6-7 oz. product/acre	Apply when plants are in rosette to bolting stage.	
	(Milestone)	+ 0.25% v/v non-	(Spring to early summer)*	
		ionic surfactant		
	Clopyralid (Transline)	1.33 pint	Apply when plants are in the rosette growth stage.	
		product/acre +	(Spring to early summer)*	
		0.25% v/v non-ionic		
		surfactant		
	Clopyralid + 2,4-D	2 qt. product/acre +	Apply when plants are in the rosette growth stage.	
	(Curtail)	0.25% v/v non-ionic	(Spring to early summer)*	
		surfactant		
	Note: *Ideally treat in the reproductive stage, which is bolting to flowering. Fall treatments are			

Note: *Ideally treat in the reproductive stage, which is bolting to flowering. Fall treatments are ineffective.

Purple loosestrife

Lythrum salicaria

	Herbicide	Rate	Application Timing
STORE !	Triclopyr (Garlon 3A)	6-8 qt./acre OR 1.3-	Apply in summer. If plants are flowering, cut and
		1.9 oz./gal water +	properly dispose of flowerheads before applying Garlon
		0.25% v/v non-ionic	3A.
		surfactant	

	Glyphosate (Rodeo*,	4 qt./acre OR 1.3-1.9	Apply in summer during the flowering stage. Cut and
	Habitat* - aquatic safe)	oz./gal water +	properly dispose of flowerheads before applying Rodeo.
		0.25% v/v non-ionic	
		surfactant	
	Aquatic 2,4-D Amine	1-2 qt./acre or 1.3-	Early spring - prevents seed formation only.
		2.5 oz./gal water +	Retreatment will be necessary. DO NOT apply when
		0.25% v/v non-ionic	outside temperatures will exceed 85 degrees.
		surfactant	
Note: *These herbicide products are nonselective and will kill any vegetation contacted.		ve and will kill any vegetation contacted.	

Rush skeletonweed

Chondrilla juncea

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<u>></u> Herbicide	Rate	Application Timing
Aminopyralid	5-7 oz./acre (start	Apply at rosette growth stage. (Spring to Early Summer)
(Milestone)	with 7 oz.) + 0.25%	
	v/v non-ionic	
	surfactant	
Aminocyclopyrachlor +	4.75-8 oz.	Post-emergence in spring until flowering, or to fall
chlorsulfuron	product/acre +	rosettes. IMPORTANT: Applications greater than 5.5 oz.
(Perspective)	0.25% v/v non-ionic	product/acre exceeds the threshold for selectivity. DO
	surfactant	NOT treat in the root zone of desirable trees and
		shrubs. Not permitted for use in the San Luis Valley.
Picloram	2-4 pint/acre (start	Apply at rosette growth stage. (Spring to Early Summer)
(Tordon/Picloram 22K -	with 4 pints) + 0.25%	DO NOT use near trees, desirable shrubs, water, or high
Restricted use pesticide)	v/v non-ionic	water table.
	surfactant	

Squarrose knapweed

Centaurea virgata



×	Herbicide	Rate	Application Timing
	Aminopyralid	7 oz. product/acre +	Apply in spring to early summer during bolting to bud
/	(Milestone)	0.25% v/v non-ionic	growth stages or in fall. Add 1 qt./acre 2,4-D when
		surfactant	plants are treated in the bolt to flowering phase.
	Aminocyclopyrachlor +	4.75-8 oz.	Apply from the seedling to the rosette growth stages.
	chlorsulfuron	product/acre +	IMPORTANT: Applications greater than 5.5 oz.
	(Perspective)	0.25% v/v non-ionic	product/acre exceeds the threshold for selectivity. DO
		surfactant	NOT treat in the root zone of desirable trees and
			shrubs. Not permitted for use in the San Luis Valley.
	Picloram	1 qt. product/acre +	Apply in spring to early summer during bolting to bud
	(Tordon/Picloram 22K -	0.25% v/v non-ionic	growth stages or in fall. Add 1 qt./acre 2,4-D when
	Restricted use pesticide)	surfactant	plants are treated in the bolt to flowering phase. DO
			NOT use near trees, desirable shrubs, water, or high
			water table.

Tansy ragwort

Senecio jacobaea

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-	Herbicide	Rate	Application Timing
,	Aminopyralid	4 to 5 fl oz./acre	Apply at the rosette growth stage. (During first year of
	(Milestone)		growth or Spring)
	Picloram	2 to 4 pint/acre +	Apply at the rosette growth stage. (During first year of
	(Tordon/Picloram 22K -	0.25% v/v non-ionic	growth or Spring) DO NOT use near trees, desirable
	Restricted use pesticide)	surfactant	shrubs, water, or high water table.
	Metsulfuron (Escort XP)	1 oz. product/acre +	Apply at the bud growth stage. (Spring)
		0.25% v/v non-ionic	
		surfactant	
	2,4-D	2 lb ai/acre + 0.25%	Apply at the rosette growth stage. (During first year of
		v/v non-ionic	growth or Spring)
		surfactant	

Yellow starthistle

Centaurea solstitialis



/	Herbicide	Rate	Application Timing
1	Aminopyralid	7 oz. product/acre	Apply during rosette growth and bolting growth stages.
	(Milestone)		(Early spring to early summer)
	Aminocyclopyrachlor +	3-5 oz. product/acre	Apply during rosette growth and bolting growth stage;
	chlorsulfuron	+ 0.25% v/v non-	most effective at the seedling to the rosette stages.
	(Perspective)	ionic surfactant	IMPORTANT: Applications greater than 5.5 oz.
			product/acre exceeds the threshold for selectivity. DO
			NOT treat in the root zone of desirable trees and
			shrubs. Not permitted for use in the San Luis Valley.
	Clopyralid (Transline)	1.33 pints	Apply during rosette growth and bolting growth stages.
		product/acre	(Early spring to early summer)
	Picloram	1.5-2 pints	Apply during rosette growth stage or when adequate
	(Tordon/Picloram 22K -	product/acre	moisture is available, and plants are actively growing.
	Restricted use pesticide)		(Early spring to late summer depending on conditions.)
			DO NOT use near trees, desirable shrubs, water, or high
			water table.